Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/11/2022 09:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124025	-1	1.35	123991	1.33
Blue	F	SSC	125000	121355	-3	2.60	121931	2.45
Blue	E	FITC	13602	13144	-4	2.25	367	13.37
Blue	D	PE	24891	24483	-2	1.67	583	10.25
Blue	B	PerCP-Cy5-5	33972	33091	-3	2.89	946	14.89
Blue	A	PE-Cy7	22865	22547	-2	4.95	473	30.19
Red	C	APC	47198	46864	-1	2.59	1624	11.34
Red	A	APC-Cy7	26454	25460	-4	3.02	720	12.29
Violet	B	V450	6737	6423	-5	3.51	447	11.55
Violet	A	V500	29317	28182	-4	2.96	965	8.56

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23923	2.45	559	24	N/A	N/A	Pass
Blue	F	SSC	54687	2.03	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	57.02	485	1	0.0489	297	Pass
Blue	D	PE	113	37.53	488	2	0.4133	281	Pass
Blue	B	PerCP-Cy5-5	149	42.77	582	3	0.0201	123	Pass
Blue	A	PE-Cy7	80	76.78	625	4	0.0224	0	Pass
Red	C	APC	341	25.95	574	2	0.0291	230	Pass
Red	A	APC-Cy7	135	34.73	551	0	0.0064	1349	Pass
Violet	B	V450	76	49.42	443	-7	0.0626	2995	Pass
Violet	A	V500	113	34.80	463	-6	0.0244	1419	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.85	-31.49	1.16
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.44
Red	15.70	13.90 - 20.86	N/A	N/A	29.67	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 14091

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments